**Overview of Axial Skeleton Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd #\_\_\_\_**

**Part I: The Skull**

1. How many bones are there in an adult skull? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Are there more or less in an infant skull? Why?
2. Label the parts of the skull in the image below:

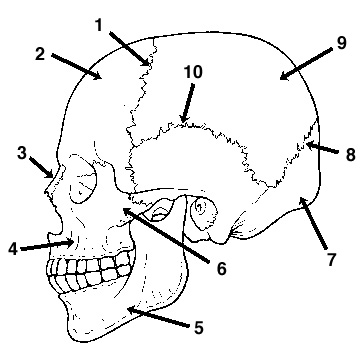
1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 6: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 7: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 9: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 10: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Lateral View of Skull

1. Label the parts of the skull in the image below:

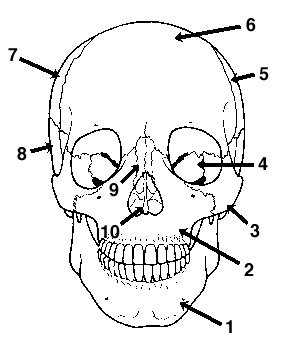
1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 6: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 7: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 9: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 10: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. What makes the hyoid bone unique in comparison to other bones in the body?

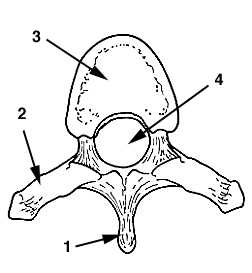
**Part II: Vertebral Column**

1. How many bones are in an adult vertebral column? \_\_\_\_\_\_ How many in a fetal/infant vertebral column? \_\_\_\_\_\_ Why are there more?
2. The vertebral column can be divided into what five areas? Please list the number of bones in each?
3. Place the bones of the vertebral column in the correct order.

Atlas  
Axis  
C-5  
C-6  
C-9  
C-13   
Coccyx  
L-1  
L-5  
L-7  
Sacrum  
T-1  
T-6  
T-13

1. What type of vertebrae is shown below? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How do you know?



1. Label the parts of the vertebrae in the above picture.

1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

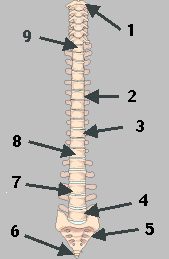
2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Label the parts of the spinal column in the image below:

1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 7:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 5: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

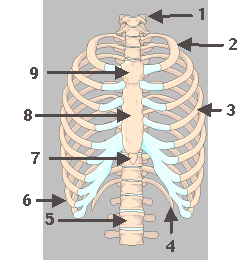
3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 6: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 9: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. What is found between individual vertebrae? What purpose does it serve?
2. What is the name of the strong ligament in the vertebral column that is connected to both the vertebrae and discs?
3. What makes the first cervical vertebrae unique?
4. What bone from the skull articulates with C1? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part III: Thoracic Cage**

1. What structures make up the thoracic cage?
2. List the functions of the thoracic cage.
3. Label the image of the thoracic cage below:

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1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 7: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 5: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 6: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 9: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Explain the difference between true ribs and false ribs. What are floating ribs?